

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-13 (Canceled).

Claim 14 (Currently amended): A method of fixing an oligonucleotide or a polynucleotide to a solid carrier which comprises the steps of spotting an aqueous solution containing a hydrophilic polymer and a compound selected from the group consisting of the oligonucleotide and polynucleotide onto the solid carrier, whereby fixing the compound to the solid carrier by electrostatic bonding, washing the carrier, drying the carrier, and heating or exposing to radiation the carrier.

Claim 15 (Previously presented): The method of Claim 14, wherein the oligonucleotide or the polynucleotide is fixed to the solid carrier at its one end portion.

Claim 16 (Previously presented): The method of Claim 14, which further comprises the steps of washing the carrier resulting from the spotting step and drying the carrier resulting from the washing step prior to heating or exposing the carrier to radiation.

Claim 17 (Previously presented): The method of Claim 14, wherein the solid carrier is selected from the group consisting of a glass sheet, a silicon sheet and a polymer sheet.

Claim 18 (Previously presented): The method of Claim 14, wherein the solid carrier is a glass sheet.

Claim 19 (Previously presented): The method of Claim 18, wherein the glass sheet is pre-treated with poly-L-lysine, polyethylene imine or polyalkylamine.

Claim 20 (Previously presented): The method of Claim 18, wherein the glass sheet is pre-treated with a silane coupling agent having an amino group, an aldehyde group or an epoxy group.

Claim 21 (Previously presented): The method of Claim 14, wherein the oligonucleotide or the polynucleotide has a functional group selected from the group consisting of an amino group, an aldehyde group, a thiol group and a biotin group.

Claim 22 (Previously presented): The method of Claim 14, wherein the hydrophilic polymer is a nonionic polymer or a cationic polymer.

Claim 23 (Previously presented): The method of Claim 14, wherein the hydrophilic polymer is a cellulose derivative.

Claim 24 (Previously presented): The method of Claim 14, wherein the hydrophilic polymer is selected from the group consisting of polyacrylamide, polyethylene glycol, polyvinyl alcohol and saccharide.

Claim 25 (Previously presented): The method of Claim 14, wherein the aqueous solution contains the hydrophilic polymer in an amount of 0.1 to 2.0 vol. %.